

## Claims

- [c1] A method for treatment of intracerebral tumors, in performing cytokine immunotherapy followed by neurosurgical intervention for a total resection of the intracerebral tumor, wherein said cytokine therapy comprises intravenous administration of a preset dose of lymphokine-activated killer cells together with recombinant yeast interleukin-2 in a daily dose of up to 2 million IU, said administration appearing as prolonged infusion.
- [c2] The method of claim 1 wherein the prolonged infusion period is substantially between one to three days.
- [c3] The method of claim 2 wherein the period of daily infusion is approximately four to five hours per day.
- [c4] The method for treatment of intracerebral tumors as claimed in claim 1, wherein said cytokine immunotherapy is preceded either by open or stereotaxis biopsy of a space-occupying brain structure.
- [c5] The method for treatment of intracerebral tumors as claimed in claim 1, wherein two or three weeks after said neurosurgical intervention, a course of cytokine immunotherapy is conducted, comprising intravenous administration of a preset dose of lymphokine-activated killer cells together with recombinant yeast interleukin-2 in a daily dose of up to 2 million IU, said administration appearing as prolonged infusion from one to three days for four or five hours daily.
- [c6] The method for treatment of intracerebral tumors as claimed in claim 4, wherein two or three weeks after said neurosurgical intervention, a course of cytokine immunotherapy is conducted, comprising intravenous administration of a preset dose of lymphokine-activated killer cells together with recombinant yeast interleukin-2 in a daily dose of up to 2 million IU, said administration appearing as prolonged infusion from one to three days for four or five hours daily.